Table A.2.33. North Field AOC 24 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
S0863/ MW154 10/2/02 Full RFI AOC 24	20	4	Fill: 0-18: Silt: 18-20	5.5 (11.5-12)	P, U, F	S0863A4 (1.5-2)	V, S, M	Iron: 23100 mg/kg
					P, U, F	S0863 (1-3)	Phys. Char.	
					P, S, F	S0863C1 (4-4.5)	V, S, M	Iron: 34800 mg/kg
					P, S, F	S0863C2 (4.5-5)	SPLP metals	SPLP aluminum: 2.59 mg/L
					P, S, N	S0863J1 (18-18.5)	V, S, M	Iron: 79200 mg/kg
					Water	MW154 (10/17/02)	V, S, M, water quality	None
S0836 8/13/02 Full RFI AOC 19	12	1.5	Fill: 0-9: (little black stained at 0-1; black stained sand, LNAPL tar-like at 5-6; dark gray stained at 6-7) Clay: 9-12	161 (5.5-6)	O, S, F	S0836A4 (1.5-2)	V, S, M	Iron: 41700 mg/kg
					O, S, F	S0836C4 (5.5-6)	V, S, M	Benzo(a)anthracene: 3.2 mg/kg **Benzo(a)pyrene: 2.4 mg/kg** Benzo(b)fluoranthene: 1.6J mg/kg Arsenic: 28 mg/kg Iron: 28900 mg/kg
					O, S, N	S0836F4 (11.5-12)	V, S, M	Iron: 28500 mg/kg
H0724 3/22/02 RA/RI/RAWP Addendum	12	4	Fill:	0	Water	H0724		
H0723 3/22/02 RA/RI/RAWP Addendum	12	4	Fill:	0	Water	H0722		

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Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
H0721 3/31/02 RA/RI/RAWP Addendum	12	1	Fill: 0-9 Clay: 9-10 Silty sand: 10-12	0				
H0301 8/5/99 2nd OWSS (MY3)	12	3	Fill: 0-11: (light green staining at 3-4) Clay with Sands: 11-12	39.1 (4-5)	Water	H0301	V, S, M	Arsenic: 35.4 ug/L Lead: 101 ug/L Vanadium: 129 ug/L
H0222 3/9/99 1st Groundwater Addendum AOC 19	6	2	Fill: 0-6: (hydrocarbon odor at 0-2; black staining, hydrocarbon odor at 2-4)	4.9 (1-2)	Water	H0222	V, S, M	Arsenic: 12.1 ug/L Lead: 54.1 ug/L
HP0120 9/18/97 1st Groundwater AOC 19	5	1	See SB0189	6	Water	HP0120	V, S, M	Antimony: 22.7 ug/L Arsenic: 194 ug/L Chromium: 498 ug/L Lead: 1020 ug/L Nickel: 249 ug/L Vanadium: 1070 ug/L
U044007 12/11/95 1st Soils SWMU 44	6	4.5	Fill: 0-6	0	None	--		
U044005 12/11/95 1st Soils SWMU 44	6	4.2	Fill: 0-6	0	None	--		
TPZ6GW 2/27/98 1st Soils AOC 3	11	0.35	Fill:0-11	0	None			
SB0189 2/19/96 1st Soils AOC 19	6	4	Clay: 0-6: (heavy petroleum staining, sheen on spoon at 2.5-6)	86.5 (2-4)	O, U, F	SB0189SB (2-4)	V, S, M, TPH	No. 2 Fuel Oil Benzo(a)anthracene: 9.2 mg/kg **Benzo(a)pyrene: 6J mg/kg** Benzo(b)fluoranthene: 5.1J mg/kg Arsenic: 20.8 mg/kg

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Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
SB0163 10/30/95 1st Soils SWMU 44	12	6	Fill: 0-11.8: (trace odor at 7.8-8) Meadow Mat: 11.8-12	0	P,S,F	SB0163SD (6-8)	V, S	None
SB0078 11/16/95 1st Soils AOC 3	10	4	Fill: 0-5	0	P, U, F	SB0078SB (2-4)	V, S	None

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP– Synthetic Precipitation Leaching Procedure; -Phys. Char.--physical characteristics.